INTERNATIONAL SEARCH REPORT

International application No.	
PCT/US04/38413	

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/48
US CL : 702/19

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
   U.S. : 702/19

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,763,308 B2 (CHU et al.) 13 July 2004 (13.07.04), see entire document.	1-3, 13-15, 25-27, and 37-39
X	MUTCH et al. The Limit Fold Change Model: A Practical Approach for Selecting Differentially Expressed Genes from Microarray Data. BMC Bioinformatics. 2002, Vol. 3, No. 17, pages 1-11, see entire article, especially column 1-2, page 2 and column 2, page 3.	1-3, 13-15, 25-27, and 37-39
A	US 6,516,276 B1 (GHANDOUR et al.) 4 February 2003 (04.02.03), see entire document.	1-42
A	FRALEY et al. Model-Based Clustering, Discriminant Analysis, and Density Estimation. Technical Report No. 380, Department of Statistics, University of Washington. October 2000, see entire article.	1-42

☐ Further documents are listed in the continuation of Box C.   ☐ See patent family annex.

*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance		
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
15 August 2005 (15.08.2005)	**24 OCT 2005**
Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Marjorie Moran
Facsimile No. (703) 305-3230	Telephone No. 703-308-0196

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Continuation of B. FIELDS SEARCHED Item 3:

WEST, Citeseer, Medline, Biosis, CompuSci

differential gene expression, "strip" data, statistical outliers, outlying data points, synthetic gene expression, non-parametric data